

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Stefan BITTERLICH, et al.

SERIAL NO: 10/533,082

GAU:

FILED: April 28, 2005

EXAMINER:

FOR: PREPARATION OF OLIGOMERS DERIVED FROM BUTENES

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

*Norman F. Oblon*

Norman F. Oblon

Registration No. 24,618

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
270624US0PCTSERIAL NO.  
10/533,082

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Stefan BITTERLICH, et al.FILING DATE  
April 28, 2005

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,440,885	08/27/02	PIEROTTI, Kim D. et al.			
	AB	4,309,281	01/05/82	DESSAU, Ralph M.			
	AC	5,910,550	06/08/99	RATH, Hans Peter			
	AD	2002/0087040	07/04/02	MARCHIONNA, Mario et al.			
	AE	3,959,400	05/25/76	LUCKI, Stanley J.			
	AF	4,511,750	04/16/85	MILLER, Stephen J.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AG	01/37989	05/31/01	WO(with English abstract)		NO
	AH	0 481 660	04/22/92	EP		NO
	AI	0 405 781	01/02/91	EP		NO
	AJ	690,149	04/15/53	GB		NO
	AK	01/46095	06/28/01	WO		NO
	AL	99/25668	05/27/99	WO(with English abstract)		NO
	AM	01/72670	10/04/01	WO(with English abstract and equivalent of US 2003/0130550)		NO
	AN	43 39 713	05/24/95	DE(Equivalent of US 5,849,972)		NO
	AO	0 272 970	06/29/88	EP		NO
	AP	2 641 477	07/13/90	FR		NO
	AQ	27 02 604	07/27/78	DE		NO
	AR	0 628 575	12/14/94	EP(Equivalent of US 5,286,823)		NO
	AS	96/40808	12/19/96	WO(with English abstract and equivalent of US 5,962,604)		NO

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AT	WEISSERMEL, Arpe et al.: Ind. Org. Chemie, 5. Edition, Chapter 3.3.2, pages 74-82, 1998.	
	AU	Ullmann's Encyclopedia of Industrial Chemistry, Sixth Edition, 2000 Electronic Release, Chapter Oil Refining, 3.2 Catalytic Cracking.	
	AV	CHAUVEL, Alain et al.: "Petrochemical Process, 1 Synthesis-Gas Derivatives and Major Hydrocarbons" Editions Technip 27, Chapter 2., 1989.	
	AW	F. P. McCANDLESS: "A Comparison of Countercurrent Recycle Membrane Cascades with Some "One-Compressor" Recycle Permeators for Gas Separations in Terms of Ideal Crossflow Stages" SEPARATION SCIENCE AND TECHNOLOGY, Vol. 31, No. 6, pages 729-756, 1996.	
	AX	J. FALBE: "New Syntheses with Carbon Monoxide" Chapter 1.3, 1980.	
	AY	H. GUETERBOCK: "Polyisobutylen und Mischpolymerisate, pages 77-104, 1959.	<input type="checkbox"/> Additional References sheet(s) attached

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No.: 10/533,082  
Docket No.: 270624US0PCT

#### STATEMENT OF RELEVANCY

- 1) References AA-AD and AG-AK have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AE, AF and AL-AY are discussed in the specification. A copy of these references is being submitted here with.
- 4) Reference \_\_\_\_\_ is additional prior art known to Applicant. A copy of these references is being submitted herewith.

**LIST OF RELATED CASES**

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Patent Appl. Publication No.</u>	<u>Inventor/ Applicant</u>
270624US0PCT*	10/533,082	04/28/05		BITTERLICH, et al.
PER CLIENT	10/129,981	UNKNOWN		UNKNOWN

\*Present Application; listed for information  
NFO/hah